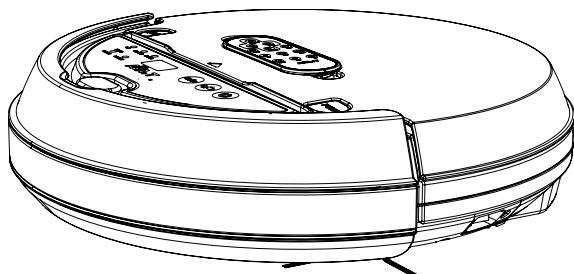




## Robotic Vacuum Cleaner

Fully Automated Intelligent  
Dust Buster

## User's Manual



*Easy-Clean Life Style*



**AGAiT**

15G22G011000

## Table of Contents

Safety Notice.....	1
Package Content .....	5
Main Body .....	6
Battery Installation.....	8
Charging the Battery.....	10
Operating Panel Introduction.....	12
Using the Recharging Dock.....	20
Scheduling Eclean's Cleaning Time (EC 01 Enhanced).....	24
Remote Control.....	32
Install Solid Freshener.....	35
Maintenance - Dust bin & filter.....	37
Maintenance - Side brush & Roll brush.....	39
Maintenance - Cleaning the back wheels .....	40
Operating Scenarios.....	41
Troubleshooting.....	44
Product Warranty Card .....	49
Customer Copy.....	52

## Safety Notice

Before using Eclean, please read the Safety Notice carefully and follow the instructions below:

### **Forbidden**

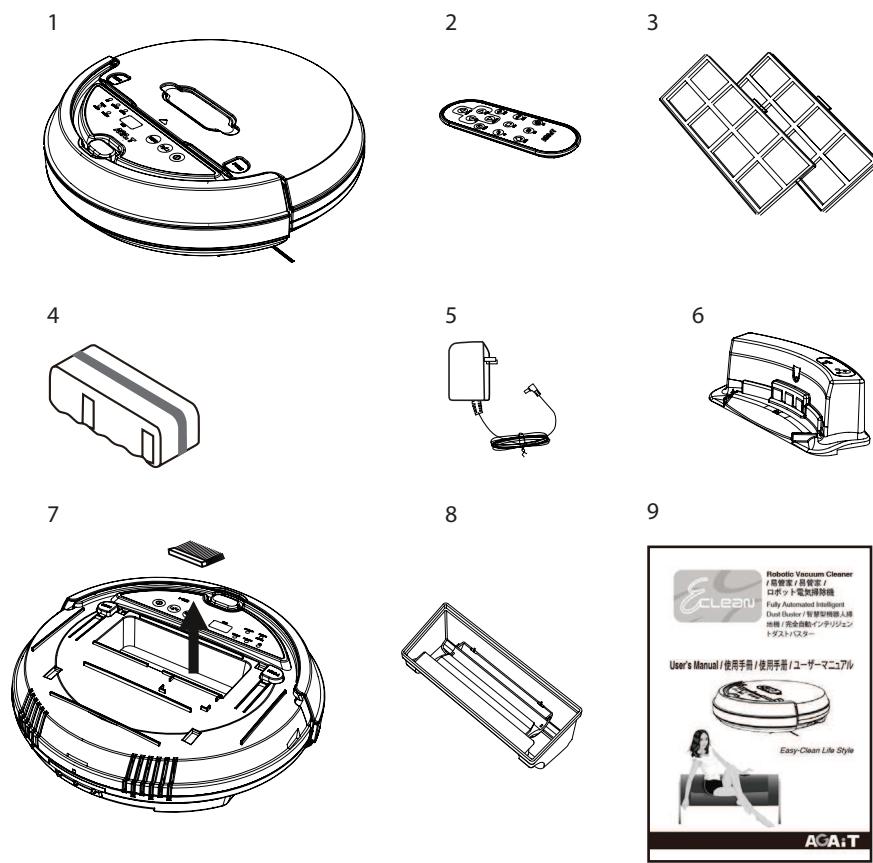
- Do not disassemble the product. The high voltage inside may cause severe harm.
- Do not place any object and do not sit on the product during operation or non - operation. Take extra caution around children or pets.
- Keep away from fire or any volatile flammable liquid when using the product.
- Do not cleanse the product with water, or use it on moist surfaces (e.g. bathroom) to avoid malfunction of any electrical wire or component.
- Do not expose the product to direct sunlight, otherwise machine operation may be interfered.
- To avoid eye damage, do not look straight into the Ultraviolet light when it's on.

### **Notice**

- To avoid malfunction, please ensure the air outlet is not blocked by foreign objects while using the product.
- Before use, remove any clothing, wire, plastic bag and any other objects that may become entangled with the product.
- Roll up - reaching blinds, curtains, bed sheets or carpet tassels to avoid hazards.
- The product is for domestic use only and not intended for factory or any business-related use. If the product is damaged due to misuse, the warranty shall be void. If the product is sent for repair, the fees for labor and parts shall be assessed at our discretion.
- The ideal operating temperature range is -10°C to 45°C. Subject the product to temperatures outside of this range may cause malfunction.
- Ensure the battery is fully charged when using the product for the first time.
- Depending on the floor textures, the product can clean up to approx. 10 m<sup>2</sup> area in 10 minutes.
- While using the product for the first time, please observe its operation to avoid issues such as being blocked by obstacles or stuck by objects.

## Package Content

1. Eclean Main Body	2. Remote Control	3. Filter Cotton x 2
4. Rechargeable Battery	5. Adapter	6. Recharging Dock
7. Cleaning Brush	8. Dust Bin	9. User's Manual



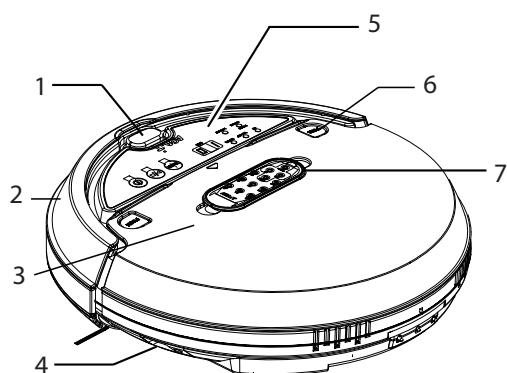
2

*E*CLEAN

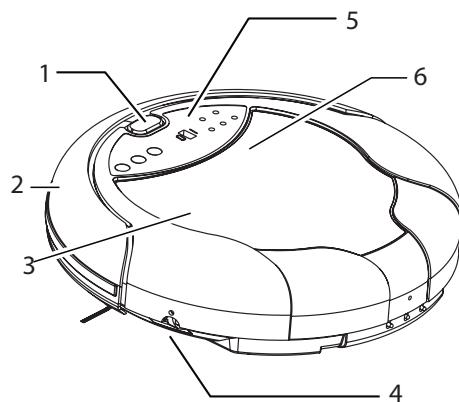
## Main Body

1	Remote control receiving port	5	Operation Panel
2	Collision pane	6	Button for removing dust bin
3	Dust bin and Freshener /odor buster	7	Remote control
4	Socket for adapter s		

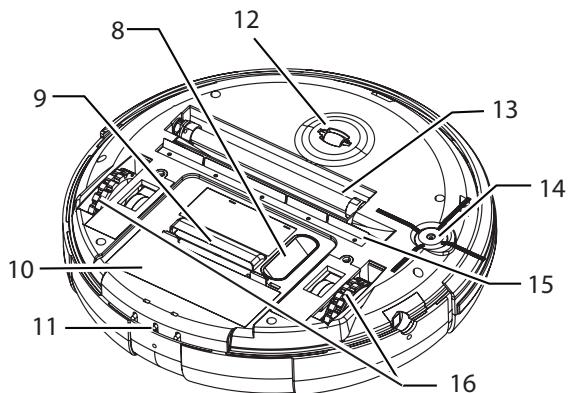
EC01



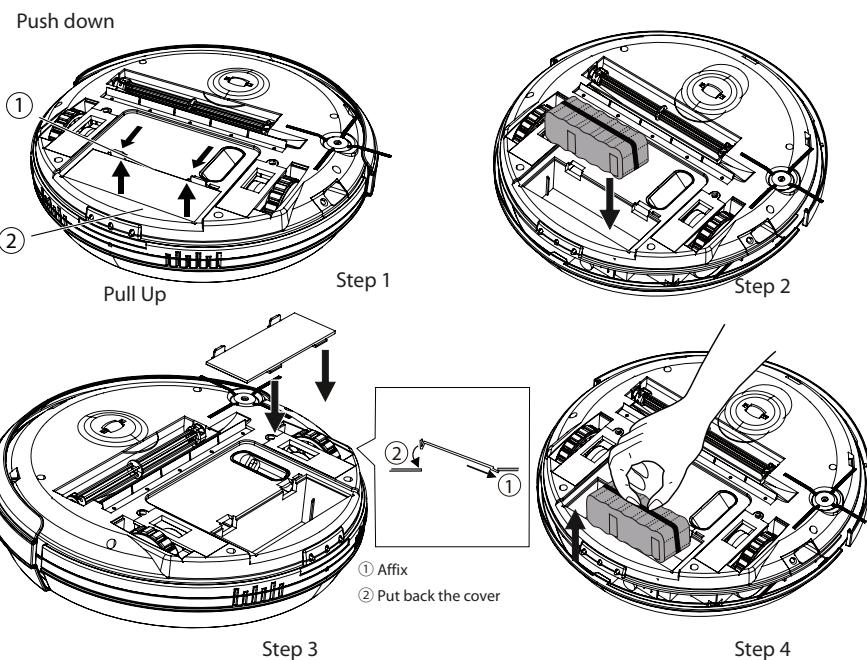
EC01 Enhanced



8 Ultraviolet light	12 Front wheel
9 Air outlet	13 Roll brush
10 Battery cove	14 Side brush
11 Recharging dock connection point	15 Dust suction entrance
	16 Back wheel set



## Battery Installation



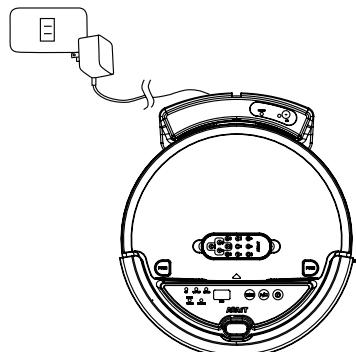
### ! Notice

- Only use factory-installed battery and adapter.
- Do not touch the battery, the adapter and/or the plug with wet hands.
- Ensure the adapter is firmly plugged in and do not expose the plug.
- Before recharging, ensure the voltage and ampere specification matches the specification in your home.
- To avoid hazard, stop recharging and remove the battery before cleaning this product.

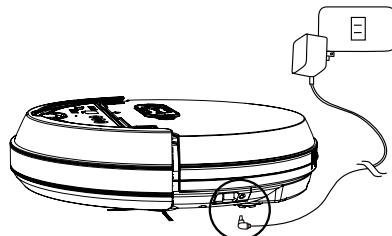
## Charging the Battery

If the Low-Battery Indicator (LOW.BATT) is flashing red (i.e. low power), please use recharging dock or adapter included with Eclean for recharging. Recharging the battery takes about 3 hours.

- a. Auto-return Charging: when the battery is low or the cleaning time is up, Eclean will automatically return to the recharging dock. If Eclean cannot locate the recharging dock in 20 minutes, it will stop searching and enter "Battery saving" mode.
- b. Manual Charging: insert one end of adapter cord into adapter slot on the main unit, then plug the other end of adapter cord onto a wall outlet for recharging.



a. Auto-return Charging



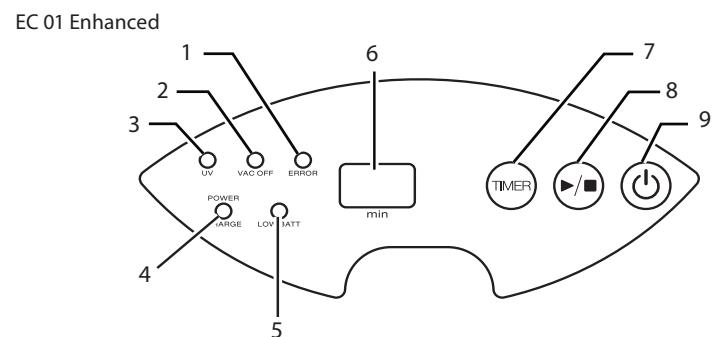
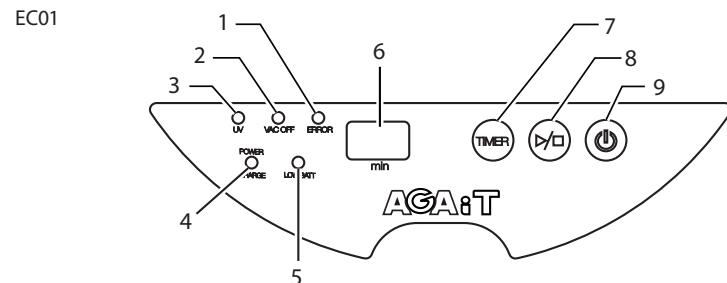
b. Manual Charging

### ! Notice

When using Eclean for the first time, please charge the battery for 8 full hours. Please make sure that the power indicator on Eclean flashes blue while charging. After the battery is fully charged, the power indicator should remain on continuously.

## Operating Panel Introduction

1 Malfunction indicator	6 Display operation time/mode
2 Vacuum on/off indicator	7 Timer (* Unit: 10 minutes)
3 UV light indicator	8 Start/Stop button
4 Battery/Charge indicator	9 Power switch
5 Low-battery indicator	



## Indicator Note

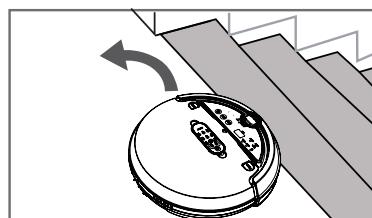
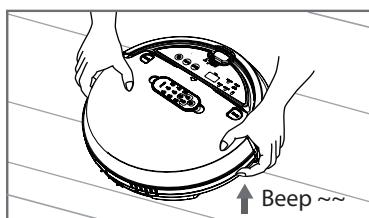
Indicator	Function	Note
Blue	POWER ON, CHARGE	Turn on battery (On); battery is fully recharged
Flashing Blue	CHARGE	Recharging
Yellow	UV	UV light is on
Green	VAC OFF	Vacuum is off
Red	ERROR	Collision panel is stuck with foreign object for over 3 seconds
		Wheel (s) is stuck for over 10 seconds
		Eclean is lifted for over 3 seconds
Flashing Red	LOW BATT	Low-battery indicator

## Alarm Note

Alarm	Note
1 short beep, 1 long beep	Vacuum timer is up; low-battery indicator is on; vacuum is off
1 long beep	Indicator is on
3 short beep	Fully charged
3 short beep, 1 long beep	Fully charged, starts clean again

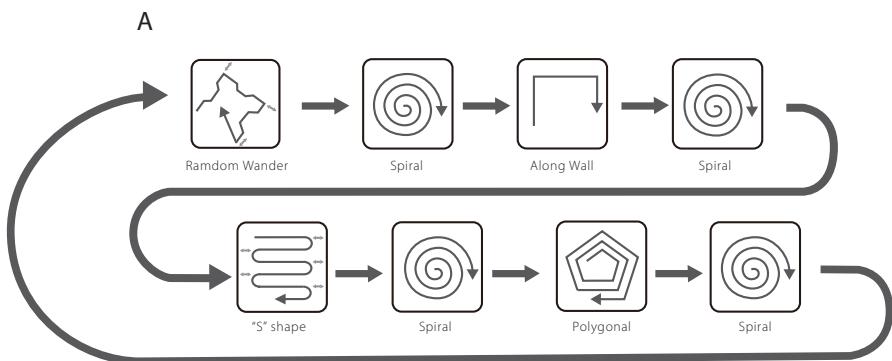
## Safety Detection

1. When Eclean is lifted or when a foreign object is entangled, Eclean sounds the alarm and the warning light is on. Eclean will stop operation.
2. Eclean is designed with cliff sensor. Eclean can detect the edge of a stairway and avoid falling over (avoid operation near stairway when running simple Spiral and "S" shape modes).



## 12345 Cleaning Mode

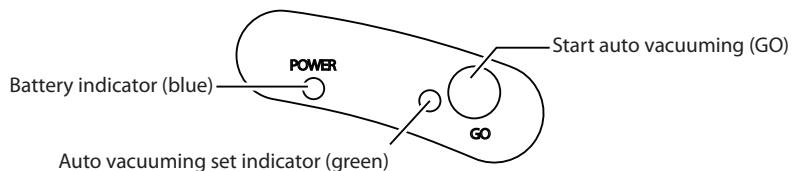
Numerical display	Mode	Suitable	Note
A	Intelligent Mode (default)	Irregular space	
1	 Spiral	Open space or empty space	
2	 Random Wander	Irregular space	
3	 Along Wall	Dirtier space near the wall	
4	 "S" shape	Open space or empty space	
5	 Polygonal	Open space or empty space	



### ! Notice

In Spiral mode, Eclean will stop moving if comes in contact with any object.

## Using the Recharging Dock (EC 01 / EC 01 Enhanced)



Function	Indicator	Note
POWER (power indicator)	Blue	Recharging.
Start Auto Vacuuming (press "GO" to turn on or turn off and indicator will display status)	Green	When pressing the GO button before or during recharging (green indicator will light up), Eclean will enter the quick charge mode and begin cleaning automatically when the battery is 80% full.
	Off	After Eclean is fully recharged, the alarm will sound 3 short beeps and Eclean will be on standby.

### Before use

1. Find a suitable wall outlet. Do not place anything near the recharging dock.
2. Lay the mobile base of the recharging dock against the wall. Connect to adapter power, use the other end and plug into the power input hole. Tie up wires to prevent obstructing Eclean's movement.

### "Home" Test

Place Eclean near the recharging dock. Turn on Eclean and press Start. After making sure it is operating normally, press  "HOME" on the remote control and Eclean will start "Auto-return" function. You can check if the location for the recharge dock is appropriate. If Eclean cannot successfully reach the recharging dock, then adjust the location of the dock. Please refer to P. 43 for optimal charger placement.

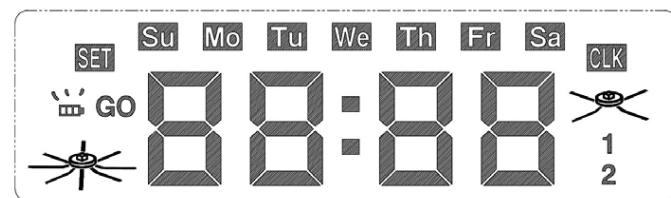
### **!** Notice

- After connecting the power, the alarm will sound 1 long beep and the battery indicator will be on (Blue). That indicates electricity is connected and the recharging dock is ready.
- Do not place objects near the recharging dock to avoid obstructing Eclean returning to the recharging dock.
- To ensure longer battery life, please fully discharge Eclean and charge it for 8 hours once a month.

## Scheduling Eclean's Cleaning Time (EC 01 Enhanced)

You can only schedule cleaning time and enable auto cleaning function while Eclean is connected to the recharging dock.

### 1. LCD Display Diagram (EC 01 Enhanced)



- SET (left): press once to set the clock; press twice to schedule cleaning.
- GO (left): if battery and brush icons both appear, this icon indicates Eclean will start cleaning when the battery is fully charged.
- Day display (top) "Su", "Mo", "Tu", "We", "Th", "Fr", and "Sa" indicate each day in a week.
- CLK (right) indicates time-setting mode.
- Brush icon (right): indicates Eclean will start cleaning at scheduled time.

### 2. Managing schedule

#### Setting the clock (EC 01 Enhanced)

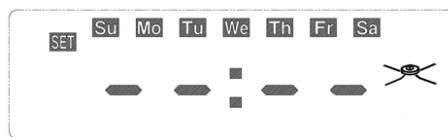
- 2.1. Eclean will automatically enter clock display mode upon your first use. Default time is Sunday, 00:00 (24-hour mode).
- 2.2. Press "SET" button to set time (the display shows SET and CLK icons). The time screen starts flashing. Press "Hr", "Min" and "Wk" buttons to set the correct time and date. You can speed up the selection by holding the button. Eclean will apply the current clock setting when no operation is performed over 1 minute (SET and CLK icons disappear).



### Scheduling cleaning (EC 01 Enhanced)

Eclean can be scheduled to clean on daily basis or on specific days.

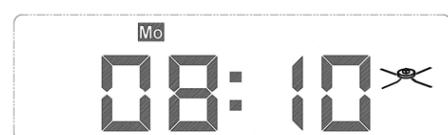
2.3. Press "SET" button to enter scheduling mode. Time and date screen will start flashing. The setting scheme is the same as step 2.2, but the default setting for "Wk" button is "to clean everyday". If the cleaning time isn't set properly, the time display will show "-" (see below).



If you want to set Eclean to clean on a specific day in a week, press "Wk" button again. "Su" (Sunday) icon will start to flash. If you want to set Eclean to clean on Sunday, press "Wk" button again within 5 seconds to stop "Su" from flashing. This indicates that Eclean has confirmed the Sunday cleaning schedule. You can apply the above procedures to schedule for other days after 5 seconds.

If you want to skip one day, just wait 5 seconds without pressing the "Wk" button.

After scheduling the cleaning time, press "SET" button to return to Clock Mode. If Eclean has been scheduled a cleaning time, the LCD will display as below:

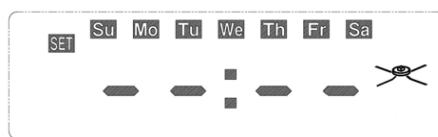


3. To view the scheduled cleaning time

Press "SET" button twice to enter "Schedule Cleaning Mode" and view the scheduled cleaning tasks.

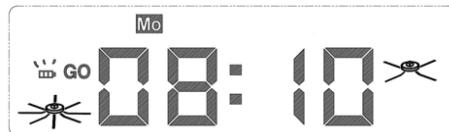
4. To cancel scheduled cleaning time

Press "SET" button twice, then set the hour and minute until "-" is shown (see below).



5. To set Eclean to start cleaning after fully charged

Press and hold "GO" button on the recharging dock about 1 second, the battery, brush and GO icons will display as below. Press "GO" button again to cancel this setting. Note: Eclean will only clean once after this function is enabled.



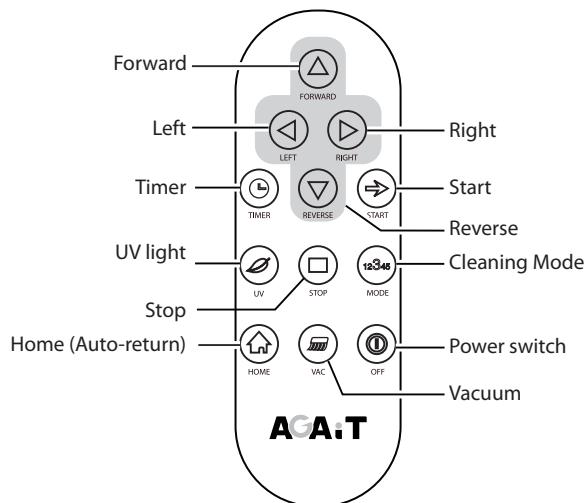
6. To start cleaning right away

Press and hold "GO" button over 5 seconds to instruct Eclean to leave the recharging dock, and it will start cleaning regardless of its charging status. The "START" button on the remote control has the same function.

7. To use the remote control to start cleaning

You can also press "START" button to set Eclean to start cleaning tasks while it is charging at the dock.

## Remote Control

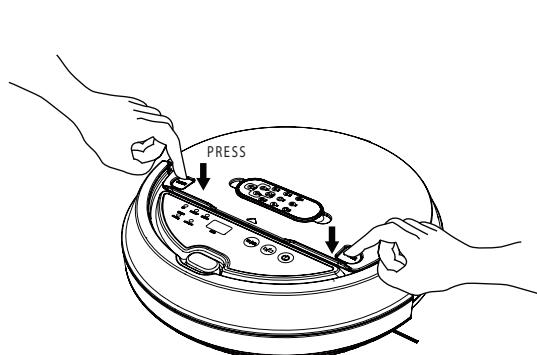


Turn on the power first, and then use the remote control to set and control the Eclean. When done with the remote control, put back onto the upper cover.

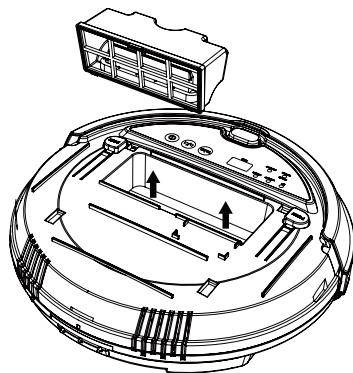
1. OFF: Turn off Eclean.
2. START: Start Intelligent Mode and vacuum.
3. STOP: Press STOP to stop Eclean. It will sound one long beep as reminder.
4. TIMER: Set vacuum time. 10 minutes per unit and the range is 10 - 80 minutes.
5. HOME: Press the button to Start "Auto-return" function, Eclean will search for recharging dock.
6. UV light: When Eclean is vacuuming, press the button to turn on/off UV. During operation, the UV light will automatically shut off if Eclean is picked up.
7. VAC: When Eclean is on, press the button to start/stop vacuum.
8. FORWARD: press forward to make Eclean go forward and Start vacuum motor. It will not stop until hitting an obstacle or when "STOP" button is pressed.
9. REVERSE, LEFT, RIGHT: Press any of these buttons to go reverse, go left, or go right. Release button to stop.

## Install Solid Freshener (Solid Freshener is not included)

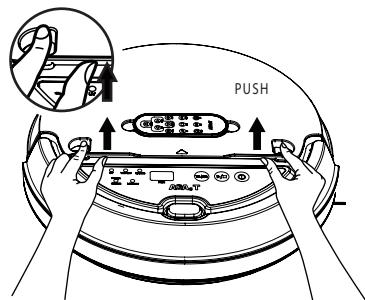
EC01



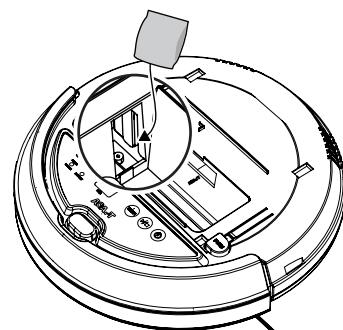
STEP 1



STEP 3

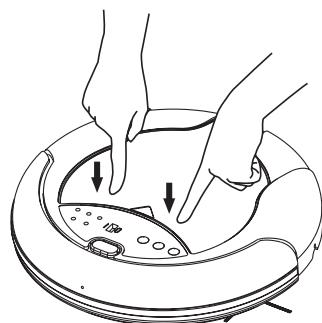


STEP 2

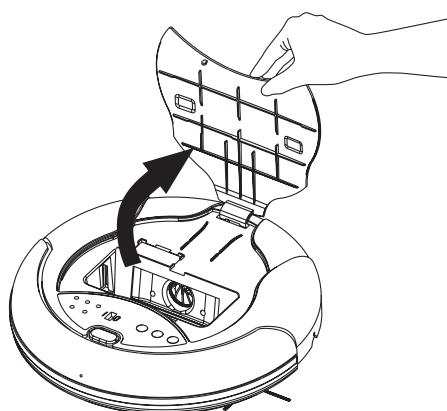


STEP 4

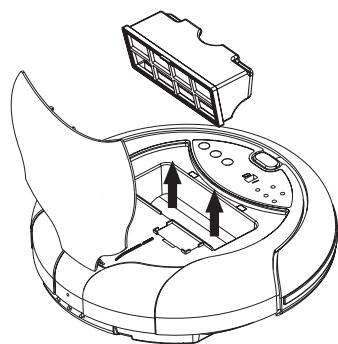
EC 01 Enhanced



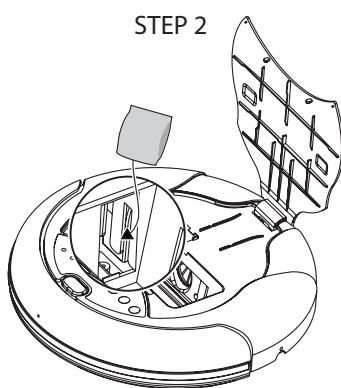
STEP 1



STEP 2



STEP 3



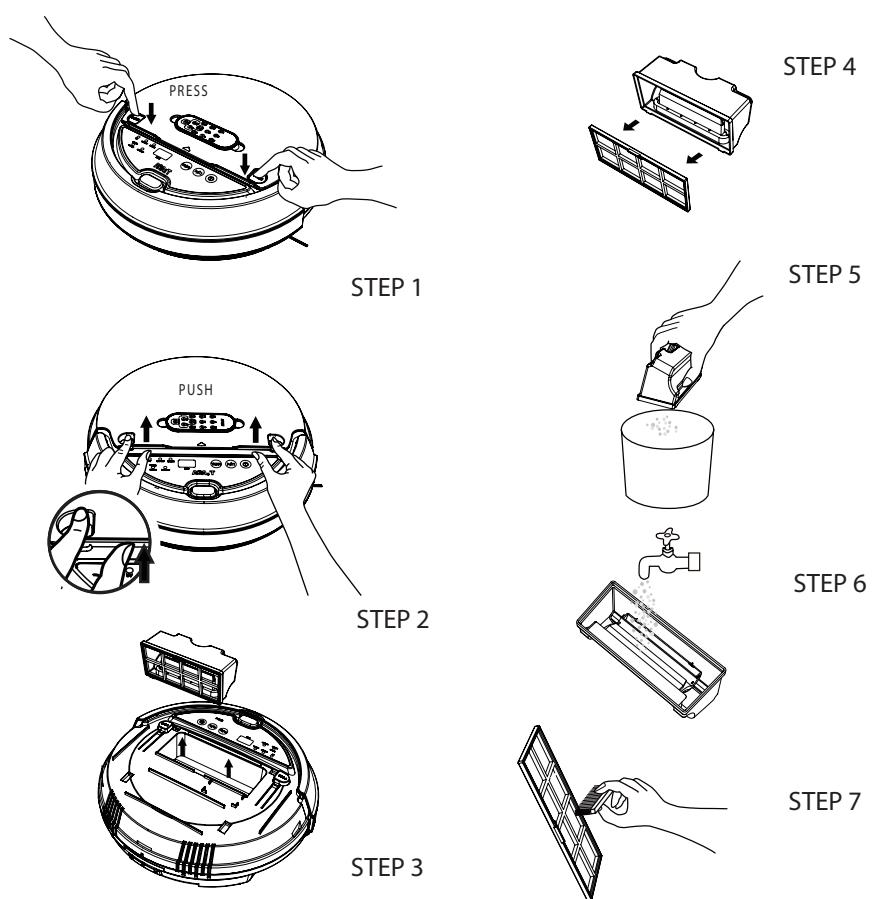
STEP 4

## Maintenance

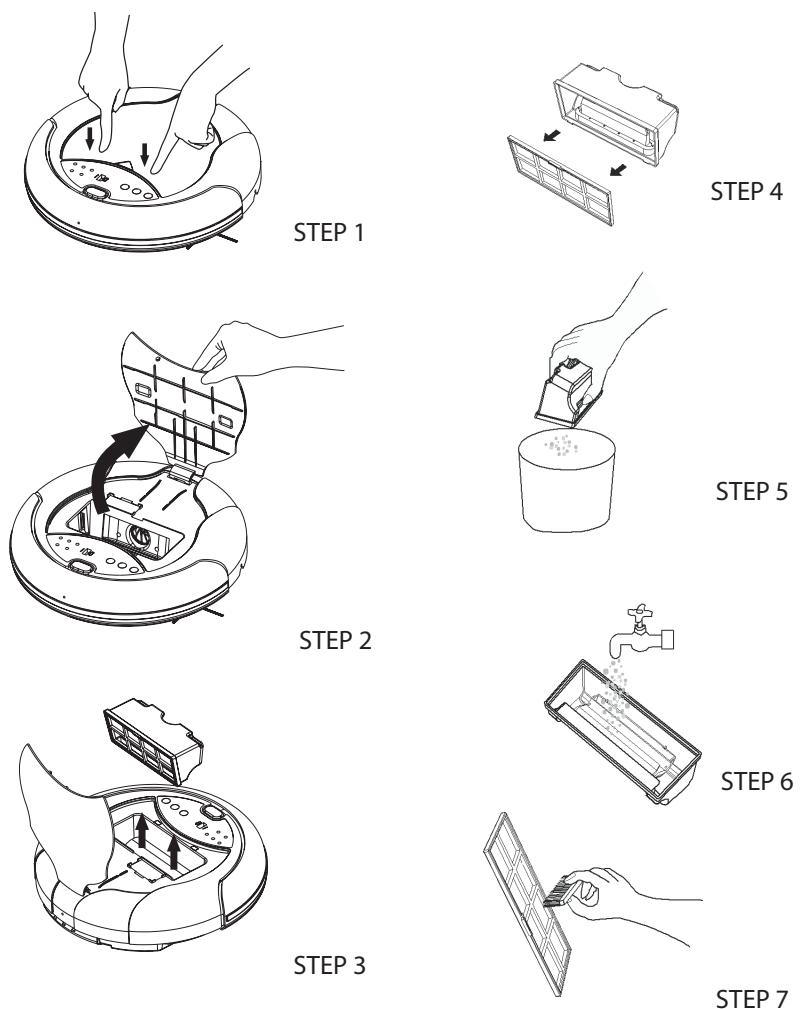
To ensure optimal performance during every operation, clean the vacuum dust bin and filter thoroughly after use.

### Dust bin & filter

EC01

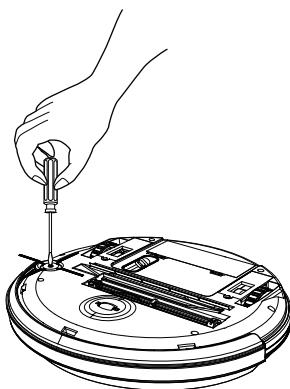


EC 01 Enhanced



## Side brush

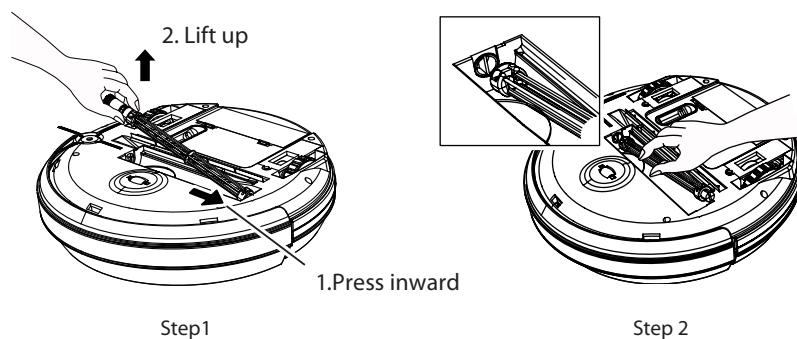
1. Counterclockwise: unscrew
2. Clockwise: screw



## Roll brush

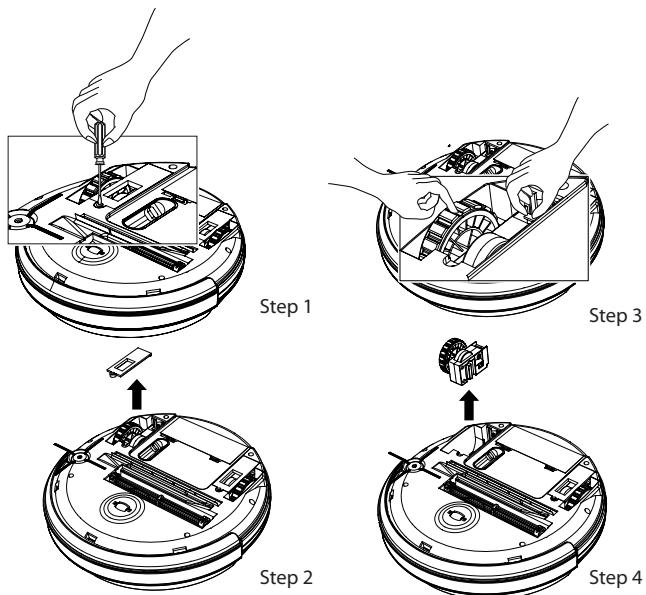
You can easily take out the roll brush by pressing the side of the roll brush and then lift upward (Step1).

You can easily put back the brush by making sure the holes of the roll brush lines up with the holes on Eclean (Step2).



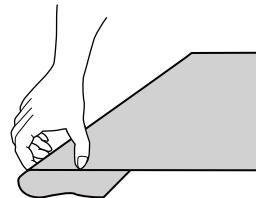
## Cleaning the back wheels

- Step 1. Turn off Eclean (⊕) button and then unscrew the back wheel cover.
- Step 2. Open the back wheel cover.
- Step 3. Secure back wheels and unplug connector.
- Step 4. Clean off dust, hair, or any foreign object.

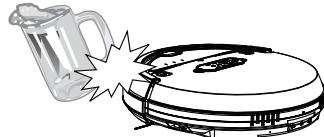


## Operating Scenarios

1. Before using Eclean, remove plastic bags, tidy/ roll up bottom of bed sheets, tassels and so on to prevent the above objects being sucked into the machine during operation.



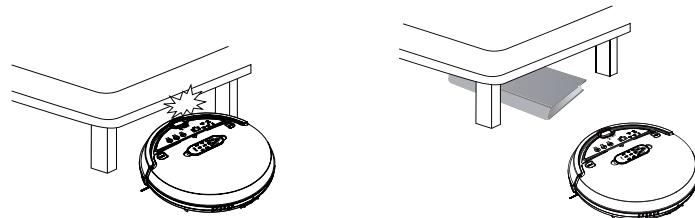
2. Remove any unstable objects within cleaning area, such as vases and liquid containers.



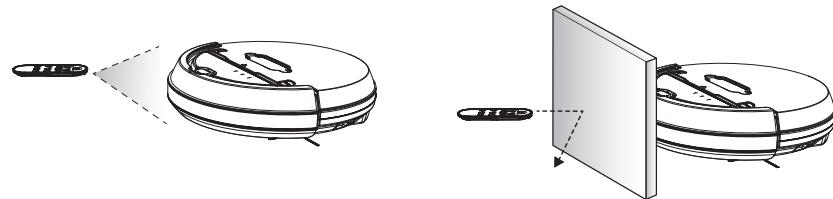
3. If the cleaning space is smaller than 40cm in diameter, Eclean will be unable to move around. In this case, please adjust the furniture distance.



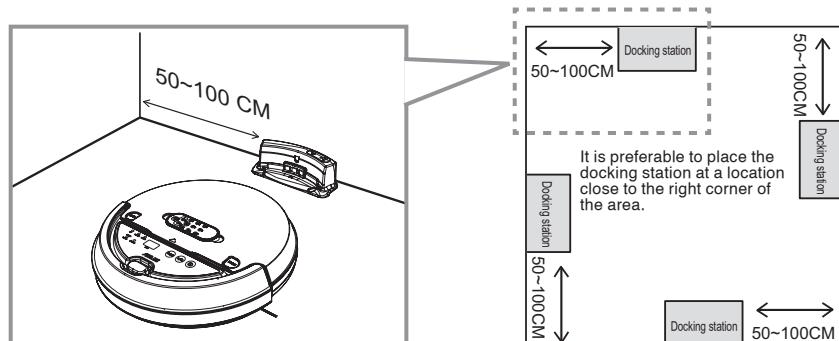
4. Eclean will not be able to enter the designated vacuuming range or it may become stuck if the height of range is lower than 10 cm. Please prevent the entry of Eclean by blocking it with an object.



5. When using the remote control, aim it directly at Eclean. Make sure there is no obstacle such as a wooden board in the path of the sensor.



6. The recharging dock must be attached to the wall. To avoid blocking Eclean's returning route, do not place anything near the recharging dock. While returning to the recharging dock, Eclean will head right and move along the wall to locate the dock. To enable Eclean to locate the dock with ease, place the dock in the lower right corner of the cleaning area, and keep a 50~100cm distance from the wall.



## Troubleshooting

Q: Eclean cannot be turned on?

A: Make sure battery is firmly installed and fully charged.

Q: The remote control isn't reacting?

A: Follow the steps below:

1. Turn on Eclean (during recharging, the remote control do not react).
2. Check for batteries in the remote control and make sure the battery power is not empty.
3. Eclean does not respond to the remote control during a recharge.  
Please stop the recharge and turn on Eclean.

Q: Why the warning indicator turns on?

A: These are the possible reasons:

1. Eclean has been off the ground for over 3 seconds. Please place it on the ground once more.
2. The wheels have been stuck for over 10 seconds.
3. The collision panel is stuck with a foreign object for over 3 seconds.

Q: Why are the warning indicator and low-battery indicator turn on at the same time?

A: These are the possible reasons:

1. An adapter other than factory-specified is used. Make sure the adapter is the factory one (the one that comes with Eclean). Stop the recharge process, drain the battery and recharge again to avoid accidents.
2. Recharging without a battery.
3. The battery is over-charged. Please wait for 2 hours before restarting Eclean.

Q: The collision panel isn't reacting?

A: Take off the protective foam to enable proper operation.

Q: In Start Mode, why doesn't the UV light react?

A: UV light is not automatically on after "Start" is pressed. You can turn it on as desired.

For more detailed information, please refer to AGAiT homepage:  
[www.agaitech.com](http://www.agaitech.com).